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RELIABILITY PREDICTION

Model : PPQ-100 Data:2002-10-11

Style	Part Type	Q'ty	λ_g	π_Q	λ_{eg}	%
9.1	Resistor-Film, Insulated (RL)	51	0.003700	10	1.887000	30.664
9.1	Resistor-Wirewound Power (RW)	2	0.008500	10	0.170000	2.763
9.1	Resistor-Film, Variable (RVC)	1	0.040000	10	0.400000	6.500
9.1	Resistor-Thermistor (RTH)	1	0.001400	10	0.014000	0.228
10.1	Capacitor-Metal, Plastic (CH)	18	0.000510	10	0.091800	1.492
10.1	Capacitor-Ceramic(Gen.) (CK)	28	0.001700	10	0.476000	7.735
10.1	Capacitor-Aluminum Dry (CE)	12	0.001300	10	0.156000	2.535
6.1	Diode-Gen. Purpose Analog	1	0.003600	8	0.028800	0.468
6.1	Diode-Switching	13	0.000940	8	0.097760	1.589
6.1	Diode-Fast Recovery Power Rectifier	6	0.023000	8	1.104000	17.940
6.1	Diode-Power Rectifier / Schottky Power	6	0.002800	8	0.134400	2.184
6.1	Diode-Voltage Ref/Reg. (Avalanche & Zener)	2	0.003300	8	0.052800	0.858
6.1	Diode-Transient Suppressor/Varistor	1	0.002900	8	0.023200	0.377
6.4	Transistor-MOSFET	2	0.014000	8	0.224000	3.640
6.11	OPTO-isolator	2	0.027000	8	0.432000	7.020
6.11	OPTO-Emitter	1	0.000470	8	0.003760	0.061
5.1	Linear Microcircuits	5	0.009500	10	0.475000	7.719
11.1	Transformer Switching	1	0.000610	3	0.001830	0.030
11.2	Coil Fixed inductor or choke	5	0.000032	3	0.000480	0.008
15.1	Connector- Rectangular	3	0.050000	2	0.300000	4.875
17.1	Single Connections-Reflow solder	387	0.000069	1	0.026703	0.434
17.1	Fuses Clip-Clip Termination	2	0.000120	1	0.000240	0.004
22.1	Fuses	1	0.010000	1	0.010000	0.163
16.1	Plated Through Hole Circuit Boards	1	0.022000	2	0.044000	0.715
Total Failure rate:					6.153773	100%

- **Data Base: MIL-HDBK-217F ,Notice 2, Parts Count**
- **Env.: GB**

MTBF: 162501.93 **hrs**

Approved by: 研發部 91.10.11 王毓賓 . Compiled by: 研發部 91.10.11 許淑惠